AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application:

LISTING OF CLAIMS:

1. (currently amended): A laser material processing method for processing a printed wiring board to form a blind hole, a groove or a through hole by applying a laser beam to an insulating layer of said printed wiring board, comprising:

processing said insulating layer at a predetermined energy density;

hardening said insulating layer by applying a laser beam at a lower energy density than said predetermined energy density of said first the processing step around a processed portion processed in the processing step; and

removing the residual smear.

- 2. (previously presented): The laser material processing method according to claim 1, wherein the energy density is 0.5J/cm² or less in the hardening step.
- 3. (currently amended): The laser material processing method according to claim 1, wherein the energy density is 0.6J/cm² or less in applying the laser beam to said insulating layer made of polyimide resin in the hardening step, and said insulating layer is made of polyimide resin.
- 4. (currently amended): The laser material processing method according to claim 1, wherein the area to apply which the laser beam is applied in the hardening step is about double the processed area in the processing step.

- 5. (previously presented): The laser material processing method according to claim 1, wherein a carbon dioxide gas laser having a wavelength of 10.6µm is used for the laser material processing.
- 6. (previously presented): A laser material processing method for processing a printed wiring board to form a blind hole, a groove or a through hole by applying a laser beam to an insulating layer of said printed wiring board, comprising:

processing said insulating layer at an energy density of 15J/cm²;
hardening said insulating layer by applying a laser beam at an energy density of 0.5J/cm²
or less around a processed portion processed in the processing step; and
removing the residual smear.

- 7. (currently amended): The laser material processing method according to claim 1, wherein one pulse of the laser beam is applied for a pulse beam on-irradiation time of 10µs in the hardening step.
- 8. (currently amended): The laser material processing method according to claim 1, wherein laser irradiation from a first laser beam in the processing step and laser irradiation from a second laser beam in the hardening step are performed at the same time.
- 9. (currently amended): The laser material processing method according to claim 6, wherein one pulse of <u>the</u> laser beam is applied for a pulse beam on <u>irradiation</u> time of 10µs in the hardening step.
- 10. (currently amended): The laser material processing method according to claim 6, wherein laser irradiation <u>from a first laser beam</u> in the processing step and laser irradiation <u>from a second laser beam</u> in the hardening step are performed at the same time.